

1 **What Is Claimed Is**

2 1. A one-way wrench including:

3 □ a head defining a circular space, a crescent space communicated
4 with the circular space and a hole communicated with the
5 crescent space;

6 □ biasing means including a first spring and a weaker and longer
7 second spring, wherein the springs both include a first end put in
8 the hole and a second end put in the crescent space;

9 □ a pawl being movably put in the crescent space and including an
10 end abutted against the second end of the second spring and a
11 toothed side; and

12 □ a gear being rotationally put in the circular space and including a
13 toothed periphery for engagement with the toothed side of the
14 pawl.

15 2. The one-way wrench according to claim 1, wherein the springs are
16 arranged in a co-axial manner.

17 3. The one-way wrench according to claim 2, wherein the second spring
18 is put in the first spring.

19 4. The one-way wrench according to claim 2, wherein the first spring is
20 put in the second spring.

21 5. The one-way wrench according to claim 1, wherein the pawl includes
22 a stud formed on the end and put in the second end of the second
23 spring.

24 6. The one-way wrench according to claim 1, wherein the head includes
25 an annular edge formed on a wall of the circular space, and the gear is
26 supported on the annular edge.

- 1 7. The one-way wrench according to claim 1 further including a C-ring
2 including an internal edge for abutting the gear and an external edge,
3 wherein the head includes a groove defined in a wall of the circular
4 space in order to receive the external edge of the C-ring.
- 5 8. The one-way wrench according to claim 7 further including an O-ring
6 including an internal edge for abutting the gear and an external edge
7 defining a groove for receiving the internal edge of the C-ring.
- 8 9. The one-way wrench according to claim 1, wherein the gear is an
9 annular gear defining a central space for receiving a fastener.
- 10 10. The one-way wrench according to claim 1, wherein the gear includes
11 an axial cylinder extending from a side thereof for insertion into a
12 socket.
- 13 11. A one-way wrench including:
 - 14 □ a head defining a circular space, a crescent space communicated
15 with the circular space and a hole communicated with the
16 crescent space;
 - 17 □ biasing means including a first spring and a weaker second spring,
18 wherein the first spring includes a first end put in the hole and a
19 second end, and the second spring includes a first end connected
20 with the second end of the first spring and a second end put in the
21 crescent space;
 - 22 □ a pawl being movably put in the crescent space and including an
23 end abutted against the second end of the second spring and a
24 toothed side; and
 - 25 □ a gear being rotationally put in the circular space and including a
26 toothed periphery for engagement with the toothed side of the

1 pawl.

2 12. The one-way wrench according to claim 11 further including a joint
3 with a first end connected with the second end of the first spring and a
4 second end connected with the first end of the second spring.

5 13. The one-way wrench according to claim 12, wherein the first end of
6 the joint is put in the second end of the first spring, and the second
7 end of the joint is put in the first end of the second spring.

8 14. The one-way wrench according to claim 11, wherein the pawl
9 includes a stud formed on the end and put in the second end of the
10 second spring.

11 15. The one-way wrench according to claim 11 wherein the gear is an
12 annular gear defining a central space for receiving a fastener.

13 16. The one-way wrench according to claim 11 wherein the gear includes
14 an axial cylinder extending from a side thereof for insertion into a
15 socket.

16 17. A one-way wrench including:

17 □ a head defining a circular space, a crescent space communicated
18 with the circular space and a hole communicated with the
19 crescent space;

20 □ biasing means including a spring and a sleeve in which the spring
21 is put, wherein the spring and the sleeve both include an end put
22 in the hole and a second end put in the crescent space;

23 □ a pawl being movably put in the crescent space and including an
24 end abutted against the second end of the spring and a toothed
25 side; and

26 □ a gear being rotationally put in the circular space and including a

1 toothed periphery for engagement with the toothed side of the
2 pawl.

3 18. The one-way wrench according to claim 17, wherein the pawl
4 includes a stud formed on the end and put in the second end of the
5 spring.

6 19. The one-way wrench according to claim 17, wherein the gear is an
7 annular gear defining a central space for receiving a fastener.

8 20. The one-way wrench according to claim 17, wherein the gear includes
9 an axial cylinder extending from a side thereof for insertion into a
10 socket.

11

12